

IARP Member and Observer Countries

Australia	<i>P. Corke</i>
Austria	<i>P. Kopacek</i>
Belgium (Observer)	<i>Y. Baudoin</i>
Brazil	<i>L. Hsu</i>
Canada	<i>J.-C. Piedboeuf</i> <i>E. Dupuis</i>
China, P.R	<i>T. Min</i>
European Commission (Observer)	<i>T. Skordas</i>
France	<i>G. Giralt</i>
Germany	<i>R. Dillmann</i>
Italy	<i>C. Moriconi</i>
Japan	<i>K. Tanie</i>
Korea	<i>C.-W. Lee</i>
New Zealand (Observer)	<i>W. Friedrich</i>
Russia	<i>V. Gradetsky</i>
Spain	<i>M. Armada</i>
United Kingdom	<i>G. Pegman</i>
USA	<i>E. Marsh</i>

IARP Executive Committee

President :	<i>N. Caplan</i>
Secretary :	<i>G. Giralt</i>

Time schedule

The contribution should focus on theories, principles and developments which have been explicitly developed for robots for humanitarian demining and applications.

An abstract (approximately 600 words in English) should be received not later than **June 30, 2002**. Electronic submissions of the abstracts (Word 97 or Word 00, PS-format, PDF-files) should be mailed to:

kopacek@ihrt.tuwien.ac.at

- ⌚ Paper proposal deadline: June 30, 2002
- ⌚ Final selection and invitation of participants: September 1, 2002
- ⌚ Receipt of camera-ready papers: October 1, 2002

Local Organization Committee

Workshop inquiries to:

Workshop 'Robots for Humanitarian Demining'

Institute for Handling Devices and Robotics
Vienna University of Technology

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Institute for Handling Devices and Robotics
Vienna University of Technology

I A R P

INTERNATIONAL ADVANCED ROBOTICS PROGRAMME

International Workshop on

Robots for Humanitarian Demining

First Announcement and Call for Papers and Videos

Vienna – Austria
November 3 - 5, 2002

Background

At the Versailles Economic Summit of 1982 an international collaborative project, now known as the International Advanced Robotics Programme (IARP), was initiated. In 2000, nations participating in the IARP are Australia, Austria, Brazil, Canada, China, France, Germany, Italy, Japan, Korea, Russia, Spain, U.K., and USA. The European Union, Belgium, and New Zealand are observer members. The general objective of the IARP is: "To encourage development of advanced robotic systems that can dispense with human work for difficult activities in harsh, demanding or dangerous environments, and to contribute to the revitalization and growth of the world economy". This is subscribed by all these countries.

Scope

The workshop will review and discuss the major advances in Science and Technology regarding mobile robots and associated manipulation devices for humanitarian demining. Particular emphasis will be given to the applications regarding the detection of landmine and removal using advanced robotic systems including peripheral devices.

Topics

Specific topics include but are not limited to:

- ♦ Teleoperators
- ♦ Mobile Robots (Mobile Platforms)
 - Moving (wheels, tracks...), walking, flying, ...
- ♦ Modular, Low Cost Platforms
- ♦ Sensors and sensor fusion
 - for Landmine Detection
 - for Robot localization
- ♦ Devices for landmine clearance
- ♦ Control algorithms
- ♦ Power supply
- ♦ Human Machine Interface
- ♦ Social aspects and education
- ♦ Applications

Participation

Participation in IARP workshops is by invitation only. The IARP Contact Person of each country will co-ordinate the submission of extended abstracts (2-3 pages), from which a final selection will be made by the International Programme Committee (IPC):

International Programme Committee:

A. Almeida (PRT)	
M. Armada (ESP)	
Y. Baudoin (BEL)	: <i>Chair</i>
T. Borangiu (ROM)	
N. Caplan (USA)	: <i>IARP President</i>
J.-G. Fontaine (FRA)	: <i>Representative</i>
P. Gonzalez (ESP)	
V. Gradetzky (RUS)	
M. Jimenez (SPA)	
P. Kopacek (AUT)	: <i>Chair</i>
B. Kuchen (ARG)	
C.-W. Lee (KOR)	
E. Marsh (USA)	
T. Martin (GER)	
C. E. Pereira (BRA)	
J. Sa Da Costa (PRT)	

Sponsorship

This Workshop is sponsored by Austria and Belgium and co-sponsored by France, Russia, United States. The IARP representatives of the sponsoring and co-sponsoring countries are :

Austria	P. Kopacek	Vienna University of Technology
Belgium	Y. Baudoin	Royal Military Academy, Brussels
Canada	E. Dupuis	Canadian Space Agency, Quebec
France	J.-C. Piedboeuf	LAAS-CNRS, Toulouse
Russia	G. Giralt	Russian Academy of Sciences
	V. Gradetzky	
Spain	M. Armada	Instituto de Automatica Industrial (CSIC)
USA	E. Marsh	National Science Foundation (NSF)

Application form

IARP Workshop on

'Robots for Humanitarian Demining'

November 3 - 5, 2002, Vienna/Austria

Please type or write in block letters.

Name/Title:

Address:

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Phone:

Fax:

E-mail:

I plan to attend the Workshop

☐ as an author
Title of the paper:

.....

.....

☐ as a participant

Please return this form to the **National Coordinator** of your country - for addresses please see overleaf!

Paper proposal deadline: June 30, 2002!